

# ABSTRACT

$\mu$ -law-to-A-law translating equipment is used for plural PCM telephone lines installed between countries different in a conversion law. This translating equipment is provided with plural  $\mu$ -law signal receiving circuits, a multiplexer, a  $\mu$ -law-to-A-law converter, a demultiplexer, plural A-law signal output circuits and a timing pulse generator. Each  $\mu$ -law signal receiving circuit outputs parallel  $\mu$ -law PCM signals synchronized with a reference frame pulse and the multiplexer time-division multiplexes these signals according to a time division system. The  $\mu$ -law-to-A-law converter outputs a time-division multiplexed A-law PCM signal, the demultiplexer demultiplexes this time-division multiplexed signal and outputs plural parallel A-law PCM signals. The A-law signal output circuit outputs a serial A-law PCM signal to which a frame bit is added.